



LAWNMOWER WELCOME PACK

THIS PACK
COVERS THE
FOLLOWING
MODELS:



LS40



LS42



LSP42



LSP46



LS4135



LSP4135



LSP513



LSP514



LSPR42



LSR42



LSPR48

REGISTER YOUR PRODUCT ONLINE AT WWW.SANLI.CO.UK AND SECURE
A SECOND YEAR OF PRODUCT WARRANTY ENTIRELY FREE OF CHARGE



PLEASE READ THE INSTRUCTIONS
IN THIS MANUAL BEFORE OPERATION

**EXPERT
HELPLINE**

08456 837 428



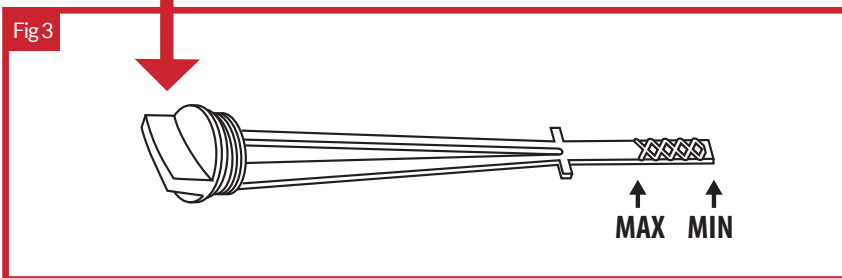
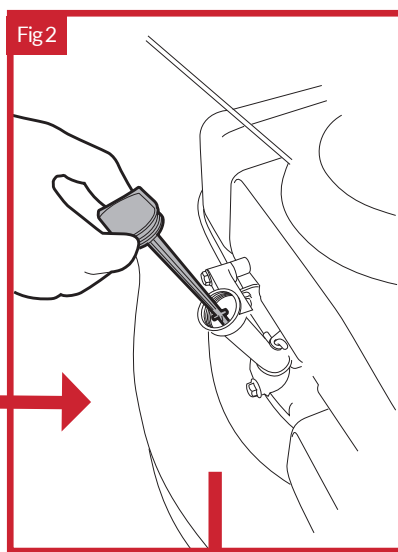
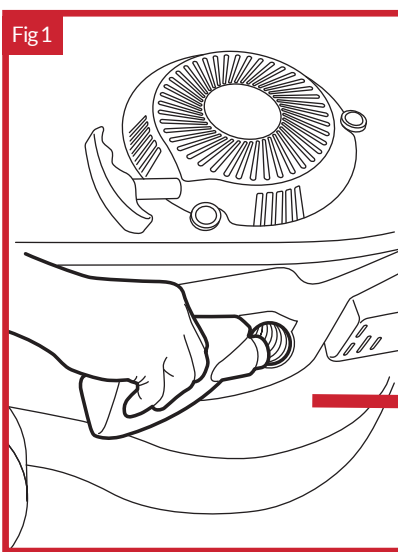
BEFORE YOU BEGIN



WARNING! The following procedures must be carried out before you start the engine of your lawnmower.



FILL OIL SUMP WITH OIL



Filling oil sump with oil

You have to add 600ml oil before starting the engine for the first time.

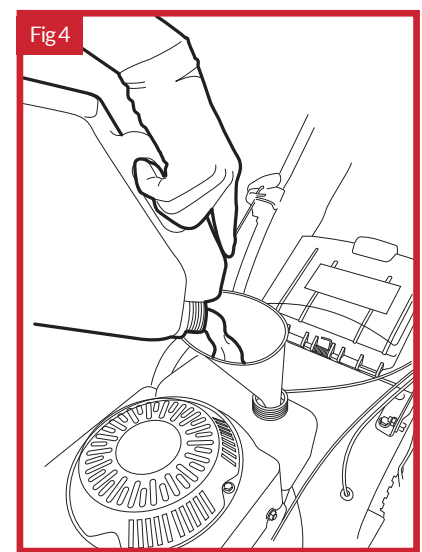
1. Firstly, remove the warning label from under the dipstick, then remove the dipstick and slowly pour 600ml of SAE30 or 10W/30 lawnmower grade engine oil into the engine via the oil filler (fig. 1). Replace the dipstick and tighten.
2. Before you use the mower each time, check the oil level (fig. 2) and if necessary top up with SAE30 engine oil.

To check the oil level, unscrew the yellow dipstick, wipe with a rag and replace into the oil filler (do not screw back in place), remove the dipstick again and check the level.

3. The oil level must be between the min and max marks on the dipstick (fig. 3). Replace the dipstick and screw into place.



FILL FUEL TANK WITH UNLEADED PETROL



Fill fuel tank with unleaded petrol

Petrol is highly flammable so extreme caution must be taken when handling it. Always store petrol in approved containers and you must ensure that you use fresh petrol that is less than 4-6 weeks old. Do not mix oil with petrol.

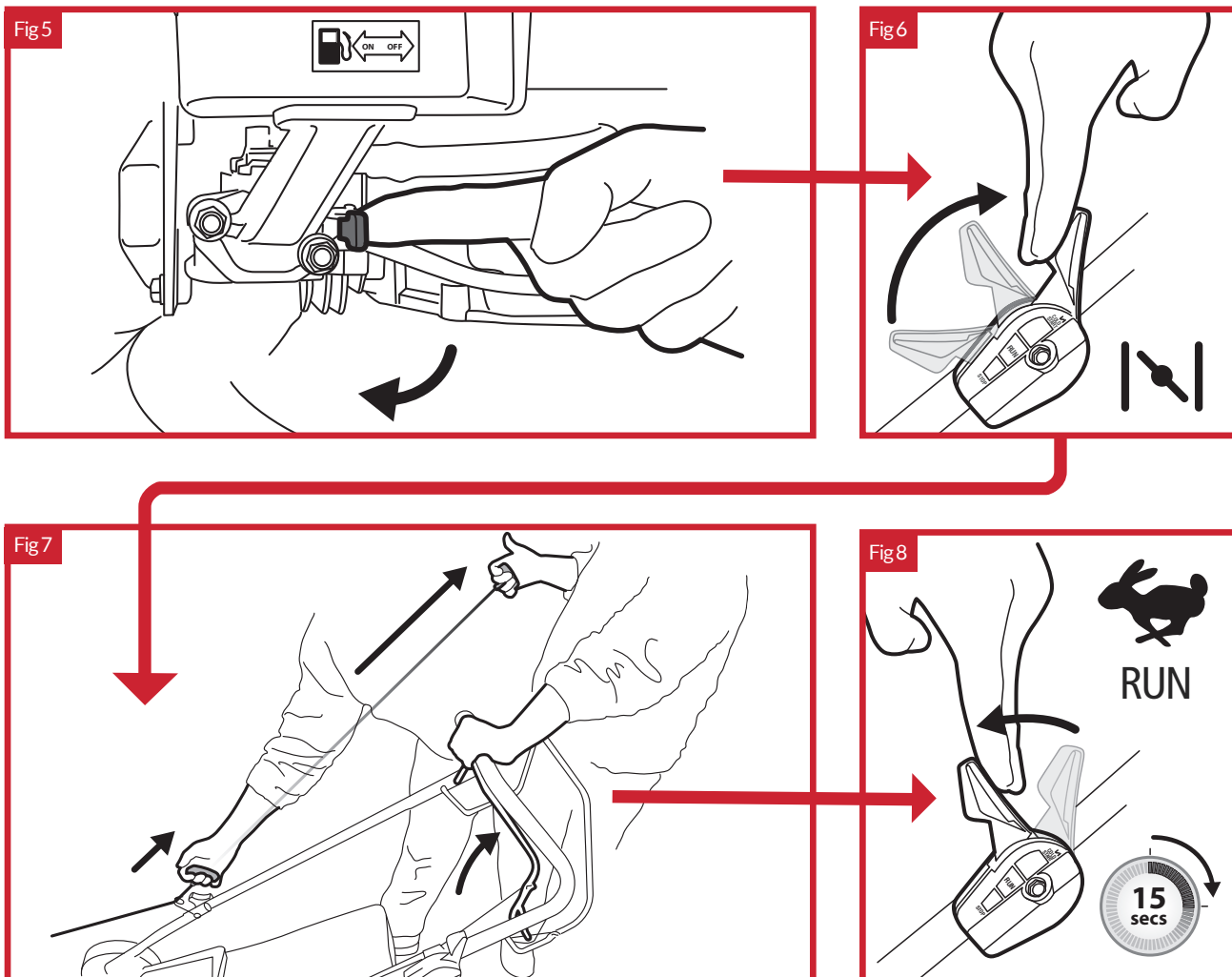
4. To put petrol in the fuel tank, firstly remove the warning label from under the petrol cap. It's best to fill the tank using a clean funnel, but never fill it completely (fig. 4). Instead, leave at least 13mm from the bottom of the filler neck to allow for expansion. Ensure that you securely tighten the petrol cap after filling. (Funnel & Fuel not supplied).

STARTING THE ENGINE

ALSO AVAILABLE TO DOWNLOAD

SANLI.CO.UK


WARNING! The following procedures must be carried out before you start the engine of your lawnmower.

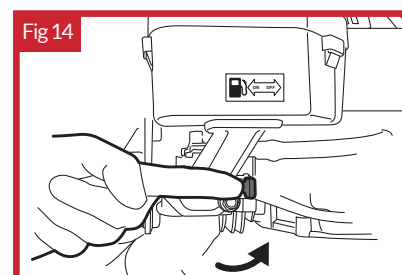
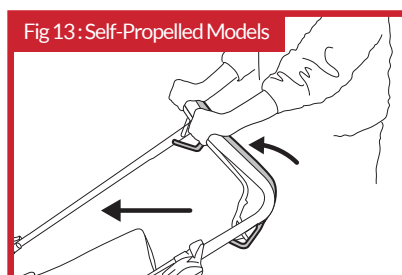
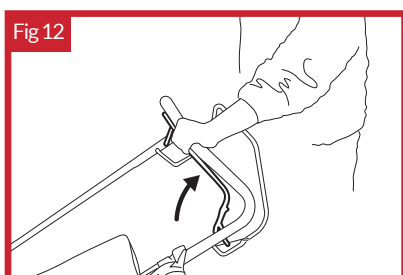
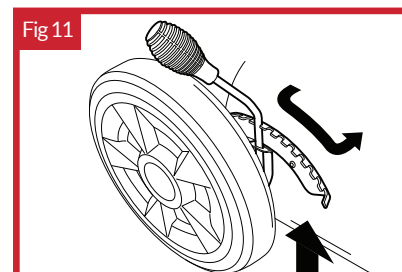
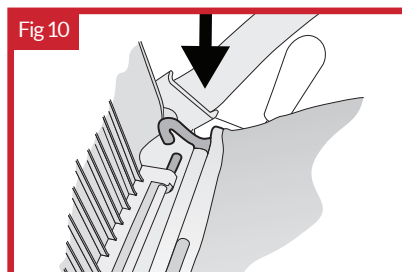
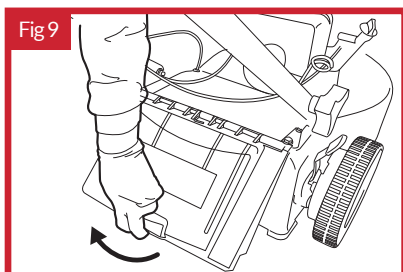


Starting the engine

1. Make sure that your mower is on a safe, flat area (a paved area or path is ideal - avoid thick wet grass and gravel surfaces) away from fuel or fueling area to make starting safe.
2. Slide the 'Red' petrol tap lever to the left 'On' position (fig. 5).
3. Move the throttle control lever located on the handle to the 'Cold Start' position (fig. 6). 
4. Firmly hold the top handle with one hand, and then with your other hand pull the cord slowly until you feel resistance. Then pull vigorously with one positive action (fig. 7). Guide the cord back to its rest position (Do not release).
5. When the engine has been running for at least 15 seconds (more time on cold days) (fig. 8) adjust the throttle control lever to the 'Run' position. 
6. To re-start a hot engine, move the throttle control lever to the 'Run' position and then refer to 'Point 4' above. 
7. To turn off your mower, slide the throttle control lever down to the 'Stop' position. After it has stopped, slide the 'Red' petrol tap lever to the right 'Off' position.

USING YOUR MOWER

ALSO AVAILABLE TO DOWNLOAD

SANLI.CO.UK


Attach the Grass Catcher

The grass catcher attaches easily by lifting the mower's Rear Deflector flap with one hand (fig. 9) and slide the Grass Catcher into position (fig. 10).

Cutting Height Adjustment

WARNING! Turn mower off before adjusting cutting height lever

For best results adjust the cutting height of your mower to suit the mowing conditions. Do not try to remove too much grass in one pass.

Adjustment of the cutting height is made centrally on all Sanli models except the LS40. For details on how to adjust the height of the LS40 please refer to the owner's manual. For all other models turn off the mower and take the weight of the mower by lifting. Take hold of the cut height Adjustment Lever, positioned above the mower's right-hand rear wheel (models LS42, LSP42, LSP46, LSP513, LSP514, LS4135, LSP4135) or at the rear of the mower (models LSR42, LSPR42, LSPR48)

Move the lever outwards to release it from its locating notch. Move the lever towards the front of the machine to increase the cutting height and towards the rear to reduce the cutting height. Return the lever to the locating notch to set the desired cutting height. Make sure the handle fits snugly and securely into its serrated holder.

Mowing your Lawn

Start your mower (see: starting the engine). Keep hold of the Safety (OPC) Lever (releasing the Safety (OPC) Lever will stop the engine to avoid accidents) (fig. 12). For self-propelled machines (models LSP42, LSP46, LSP513, LSP514, LSPR42, LSPR48) to power the mower forward move the Drive Lever up and forward (fig. 13). The Mower can be pushed with the drive disengaged for more precise handling. After mowing and emptying the Grass Catcher ensure the engine is not running and turned off.

Cleaning your Mower

WARNING! Turn mower off before cleaning

Cut grass is damp. Regular cleaning after each use will ensure better functioning of the mower and reduce the risk of corrosion or seizure.

Having finished mowing, allow the engine to cool then remove accumulated grass clippings from and around the engine with a brush. Clean the grass collection bag annually with a brush or gentle spray of water and allow to dry.

Clean underneath regularly - disconnect the spark plug cap and tilt the mower on back. Remove cut grass from the cutting system with a scraper and a brush.

Do not use a pressure washer or hot water to clean the mower. Dry off the machine before storing by leaving it running for a few minutes on a flat, clear surface to prevent corrosion or seizure.

Storing your Mower

Store your mower in a dry, well-ventilated area, away from flames, sparks or heat sources. Disconnect the spark plug cap. Avoid storing beneath a tarpaulin or similar cover as it may cause condensation resulting in corrosion.

Winter Storage: Thoroughly clean the mower. Run the engine outdoors until fuel tank is empty or empty fuel using a fuel suction pump. Dispose of discarded fuel safely and responsibly. Run the engine until remaining fuel is consumed. Turn fuel tap to OFF (fig. 14).

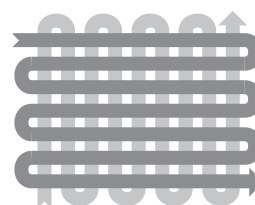
Remove the spark plug from the engine. Pour a tablespoon of engine oil into the cylinder. Gently pull the starter rope several times to distribute the oil to protect the cylinder over winter. Replace and tighten the spark plug.

Transporting your Mower

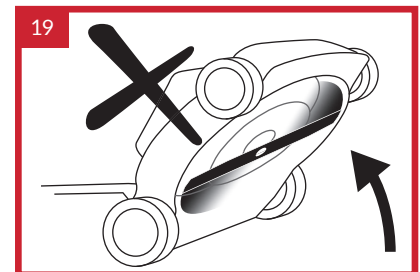
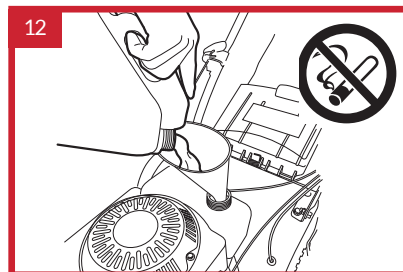
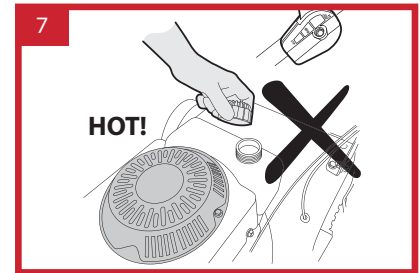
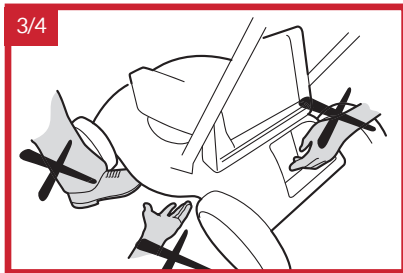
Ensure the fuel tank is empty. Run the engine until any remaining fuel is consumed. Allow the engine to cool. Turn fuel tap to OFF position (fig. 14).

HOW to cut for best results

For best results cut your lawn in alternative directions switching direction each day you cut. Cut your lawn at an equal and same height. Slightly overlap your cutting lines.



TIPS ON MOWER SAFETY



1. Before starting your mower inspect it carefully to ensure that there are no loose parts and that it is in good working order.
2. Be sure of your footing. Always walk, never run, when operating the lawnmower.
3. Keep hands, feet and clothing away from the mower's moving parts, and always wear appropriate footwear (avoid sandals or open shoes). 
4. Never put your hands or feet underneath the chassis of the lawnmower while the engine is running.
5. Clear the area to be mowed of any stones, sticks, wire and debris before beginning. Always ensure that you mow a safe distance away (over 14 metres) from adults, children and animals.
6. Turn off the engine and disconnect the spark plug cap before cleaning, transporting, or making adjustments, and never leave the mower unattended.
7. Never open the fuel filler cap, or fill the tank, if the engine is still hot after use. And please ensure that you securely tighten the petrol cap after filling.

8. Mow across the face of slopes, not up & down, and avoid mowing on very steep slopes. We recommend you avoid mowing when it is raining, after nightfall or in poor light conditions.
9. Do not operate the machine by pulling it towards you as you risk pulling it on to your feet. Instead, always push and walk behind your lawnmower.
10. Do not fill the tank, or start the lawnmower indoors, or in a poorly ventilated area, as exhaust gases contain poisonous substances and petrol fumes are flammable and dangerous. 
11. Do not alter engine governing settings or over-rev the engine, as excessive speed is dangerous and can reduce engine life.
12. Do not smoke when filling the fuel tank, using the machine, or when petrol is in the immediate area. And never use or store the mower near a naked flame. 
13. Always use fresh unleaded petrol that is not more than 4-6 weeks old. Fill the tank using a funnel, but never completely. Clean up any overflow or splashes before starting. 

14. Do not transport the mower in a vehicle if there is any petrol in the tank. 
15. Be aware that the machine's exhaust area and other parts of the lawnmower get very hot during, and right after use. 
16. Turn off the engine before emptying the grass-catcher, and before clearing any grass caught in the rear flap where the catcher fits.
17. Store fuel and oil in a cool well-ventilated place, away from direct sunlight and gas cylinders or hot water heater systems. 
18. It is recommended that you wear a safety helmet, ear protectors, safety goggles and safety boots when using a lawnmower.
19. To inspect the underside of your mower, only tilt the lawnmower backwards otherwise oil may leak into inappropriate areas of the engine. Never tilt the lawnmower when the engine is running.
20. All servicing and repair work under warranty must be carried out by an Authorised Dealer, otherwise the 1 + 1-year warranty may be void.

MAINTENANCE SCHEDULE

ALSO AVAILABLE TO DOWNLOAD

SANLI.CO.UK

WARNING!

The following procedures must be carried out before you start the engine of your lawnmower.

SUMMARY OF REGULAR MAINTENANCE REQUIRED BY THE MOWER

Frequency Components	Before each mowing	After 5 hours	Every 25 hours or once a year minimum before winter lay-up
Cutting system	Check and verify its condition	–	Sharpen and balance blade. Replace worn or damaged blade.
Spark plug	–	Check	Clean and check the clearance of the electrodes. Replace if necessary.
Air Filter	–	Check	Clean the filter. Replace if necessary.
Oil	Check the level	Drain and renew	Drain and renew

Cutting System

Before and after each mowing session, check that the blade, its attachment bolts and drive shaft are not damaged or excessively worn. Never try to straighten a bent blade. Replace a damaged, worn or bent blade as soon as possible. Use only genuine SANLI parts or those approved by SANLI.

Excessive vibration when mowing is a good indication of a problem with the cutting system.


WARNING!

Vibration from a bent or damaged blade can cause costly damage to the mower. Working with an excessively worn blade wastes fuel and can lead to injury if the blade becomes detached from the machine.

Removing the blade

Wear appropriate protective gloves to prevent possible injury when handling the blade. Disconnect the spark plug cap and tilt the mower on its side with air filter and carburettor side uppermost.

Holding the blade firmly in one hand, use a spanner or socket to loosen the blade screw.

Sharpening the blade

For best mowing results, have the edges sharpened and the blade balanced at least once a year by a specialist service dealer or agent.

Mounting the blade

Wear appropriate protective gloves to prevent possible injury when handling the blade. Disconnect the spark plug cap and tilt the mower on its side with air filter side uppermost.

Check that all components (the blade, key, blade holder, screws and washers) are present, clean and in good condition.

Position the blade on its support with the cooling fins facing the engine.

Check the correct alignment and matching of pads with the blade. The blade must be positioned precisely on its stand.

Tighten the screws connecting all of the components. Make a final visual check that all parts are present and aligned before tightening the fixing bolt very firmly with a wrench while holding the blade firmly in one hand (NB wear suitable gloves).

Fig 15

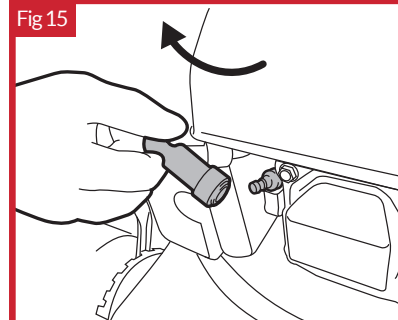
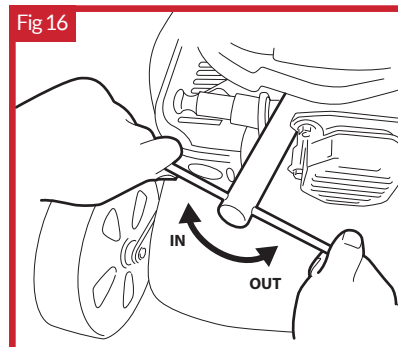


Fig 16



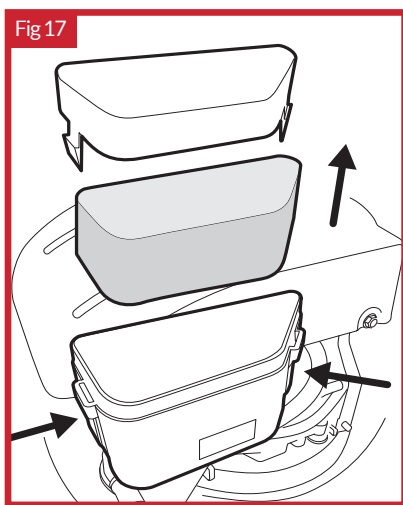
Spark Plug

Check the spark plug initially after the first five hours of mower use. Thereafter, maintenance of the spark plug should take place every 25 hours.

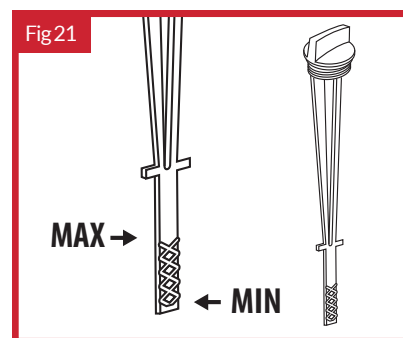
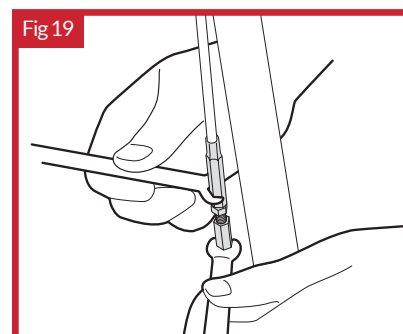
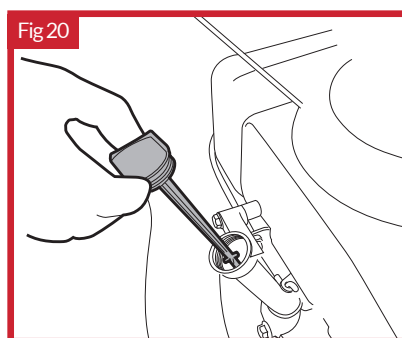
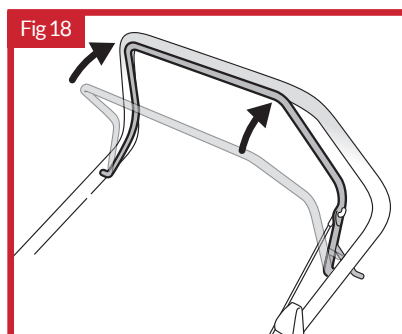
Remove the spark plug cap (fig.15) using a rotary motion and then remove the spark plug with the wrench provided (fig.16).

Clean off any carbon deposits using a copper brush and check the electrode gap with a feeler gauge (the gap should be ≈ 0.7 mm). Replace and re-tighten the serviced spark plug and replace the cap.

If the spark plug is worn or damaged, replace with a new spark plug of the same or suitable type for the engine. If in doubt, contact your point of purchase or local dealer.



Do not twist the foam cartridge to clean it as this could cause damage.
If your mower is not serviced correctly, you could reduce your mower's ability to operate and void warranty.



Air Filter

An air filter in poor condition will reduce the performance and life of the engine while making it harder to start. Regular checks are therefore essential, especially when using the mower in dusty conditions. Check and clean the air filter every 25 hours of use or more often if the engine is used in a dusty environment.

Models LS40, LS42, LSP42, LSR42, LS4135, LSP4135 have a foam air filter. Models LSP46, LSP513, LSP514, LSPR48 have a paper element with a foam outer filter.

Remove the air box lid and carefully remove the foam filter cartridge. Clean foam filters in a small bowl of warm water containing a few drops of washing-up liquid until they are perfectly clean and free from all traces of grease and dust. Rinse the foam filters in clean water and then squeeze gently to remove most of the water. Let the filter air dry until it is completely dry.

Clean paper filters with a small brush, gently rubbing the filter until as much dirt and dust as possible has been removed, taking care not to damage the paper element

Clean the cover and inside of the air box with a clean lint-free cloth. Apply a uniform layer of oil to the outside of the cartridge filter with a brush (you can use clean engine oil for this).

Insert the filter cartridge into its housing and replace the filter lid, ensuring that each component is in place and properly installed. If the filter cartridge is damaged or is very dirty, replace it using a genuine part.

Adjusting the transmission cable

In its engaged position (fig.18), the Lever is pulled fully towards the handlebar. An incorrectly-adjusted cable can cause premature wear to the mower's engine.

If the transmission cable is too tight, it will be difficult to move the advance lever towards the handlebars. Conversely, if the transmission cable is not tight enough, the engine will function poorly and will lack power.

To adjust the tension of the cable transmission, increase or reduce the length of the adjustment device using the spanner (fig.19). Check the effectiveness of the transmission and the resistance of the lever.

Once proper adjustment has been reached, secure the adjustment device by tightening the lock nuts.

Checking the oil level

Position the mower on a firm, level surface. Unscrew the oil level dipstick (fig.20) and wipe dry. Insert the dipstick until it reaches the filler neck, but do not screw in.

Remove the dipstick and check the oil level holding the dipstick horizontal.

The oil level should be between the minimum and maximum oil level marks on the dipstick (fig.21). Add oil if necessary and repeat the above checking process. Running the engine without oil or with too little oil can cause serious engine damage.

Note: Dispose of used engine oil carefully, responsibly and in accordance with local or national regulations

Changing the oil

The first oil change should be carried out after the first 5 hours of mower use. Thereafter, change the oil after every 25 hours use or at least once a year. Leave the engine running outdoors for several minutes to warm the oil and make it more fluid.



WARNING! Parts of the engine will become very hot and can cause severe burns.

Remove the spark plug cap and unscrew the oil level dipstick. Place a suitable container beneath the mower's oil filler pipe and tilt the mower onto its side with the air filter and carburettor uppermost. Allow the oil to drain completely into the container. Return the mower onto its four wheels and fill the engine with new oil.

FAST TROUBLE SHOOTING

PROBLEM	LIKELY CAUSE	SUGGESTED REMEDY
Engine does not start	Throttle lever not set properly	Set to 'Cold Start' for cold or a little lower when warm
	Out, or almost out, of fuel	Fill tank with unleaded petrol
	Spark plug depleted	Replace with a suitable new spark plug
	Spark plug dirty	Clean or replace with a new spark plug
	Spark plug not connected	Press firmly on the terminal cover
	Flooded engine	Turn fuel 'off' then pull starter rope until the mower starts, then turn the fuel on
	Old petrol in the tank	Drain stale fuel and replace with new unleaded
	Water in the fuel tank	Contact an authorised dealer
Engine stops often	Blocked fuel supply	Ensure the fuel line is not pinched or blocked
	Fuel cap is not venting	You may need to slightly loosen the fuel cap
	Wrong type of fuel	Drain petrol tank and fill with new unleaded
Engine loses power	Dirty air cleaner filter	Clean or replace with a new air-filter
	Incorrect height adjustment	Raise the mower's cutting height lever
	Blocked fuel cap vent holes	Ensure the 3 holes in the fuel tank cap are clear
Mower vibrates too much	Loose cutting blade	Check and tighten bolts and nuts
	Bent or broken disc/blades	Replace disc or blades
	Excessive grass/dirt build-up	Clean and ensure underside clear of build up
	Disc or blades worn/damaged	Replace blades
Poor cutting catching	Catcher not fitted correctly	Reattach carefully and also check for damage
	Incorrect cutting height set	Adjust the cutting height
	Blocked grass catcher vents	Clear and clean the vents. Reinsert carefully and also check for damage

FREQUENTLY ASKED QUESTIONS

QUESTION	ANSWER
Should I keep my proof of purchase?	Yes, its always best, but if you register your product online we will have a copy of the registration which will also act as proof of purchase.
How do I check the oil on my lawnmower?	Use the dipstick in the oil filler spout and refer to the section of this pack called "Checking the oil level".
How do I clean my airfilters?	Foam filters can be gently washed, paper ones can be gently brushed clean. See the section entitled "Air Filters".
How often should I change the filters?	Every year is best, but at least every two years. Clean the filters often.
Which oil should I use?	600ml of either SAE30 or 10W/30 grade engine oil.
What replacement spark plug do I need?	Equal or equivalent to NGK BPR6ES
How do I drain down the fuel tank?	Remove the fuel pipe from the fuel filter and drain the fuel into a suitable container.
Can you tip lawnmowers over?	Firstly turn off the fuel tap, then tip the machine backwards.
Where can I buy spares and accessories?	Either from your supplying retailer, or from the Sanli helpline on 08456 837428 , or from www.sanli.co.uk
How do I register my machine?	Visit www.sanli.co.uk
Where is the serial number on my machine?	It will be located on the black identification sticker visible somewhere on the deck of the lawnmower.
My machine won't start at the beginning of the season	This is usually due to old and stale petrol, drain the old fuel and re-fill with fresh.
How do I find my local dealer or service agent?	Visit the dealer locator at www.sanli.co.uk or call 08456 837428
Which levers do the cables go to?	When you stand behind the handles, the cable from the left hand side of the engine runs to the Throttle Control Lever, the cable from underneath the oil filler cap runs to the Safety OPC lever (the one in front of the handlebars) and on Self Propelled machines the cable that come up through the deck of the mower runs to the Transmission lever (the one behind the handle bars).

WARRANTY CONDITIONS

Please note that your warranty is affected by Terms and Conditions.

Read on to fully understand what is covered by the warranty and what is not covered. Those items not covered by the warranty are the responsibility of the owner and any repairs will be at the owner's expense.

The warranty does not affect your statutory rights or remedies as outlined in applicable consumer legislation.

The manufacturer provides an express warranty for this product for a period of 1 +1 Year (second year dependant upon registration) from your original purchase date with the exception of commercial-use which is for a period of 90 days.

The warranty is not transferable and is only applicable to the original purchaser that can provide original proof of purchase.

Defective parts will be replaced or repaired by an Authorised Dealer without charge for labour or materials, subject to conditions.

Repairs or adjustments required by failure to follow the manufacturer's instructions are chargeable to the owner.

THIS EXPRESS WARRANTY DOES NOT COVER

The warranty will become void if any unauthorised person dismantles, repairs, or modifies the product.

- Intentional or unintentional misuse, abuse or breakages
- Normal wear and tear
- Oiled air cleaner or starting difficulty caused by mower incorrectly tipped on its side
- Consumable items (including oil, blades and spark plugs)
- Defects or faults caused by an act or omission after leaving manufacture
- Incorrect, contaminated or poor quality fuel or oil (older than 3 months)
- Incorrect maintenance or storage of the product
- Water damage or environmental conditions
- Failure to observe safety requirements
- Any loss or damage arising from faulty parts or workmanship
- The cost of return shipping or packaging materials (any machine sent unauthorised with postage due will be returned untouched to the sender)
- Recognized mower wearing parts or consumables including, but not limited to, the cutting blade and its fixings, friction discs, air filters, engine oil, cables, wheels, wheel covers and bearings, the engine and its various components, the gearbox, the mower's cutter deck, handlebars and controls, the collection bag, safety guards, their fixings and hinge mechanisms, etc.

IMPORTANT: GET A 2ND YEAR'S WARRANTY
SIMPLY BY REGISTERING **ONLINE** AT
WWW.SANLI.CO.UK/OWNERS/REGISTRATION

